
Conservation & Energy Efficiency

Office of Congresswoman Gabrielle Giffords

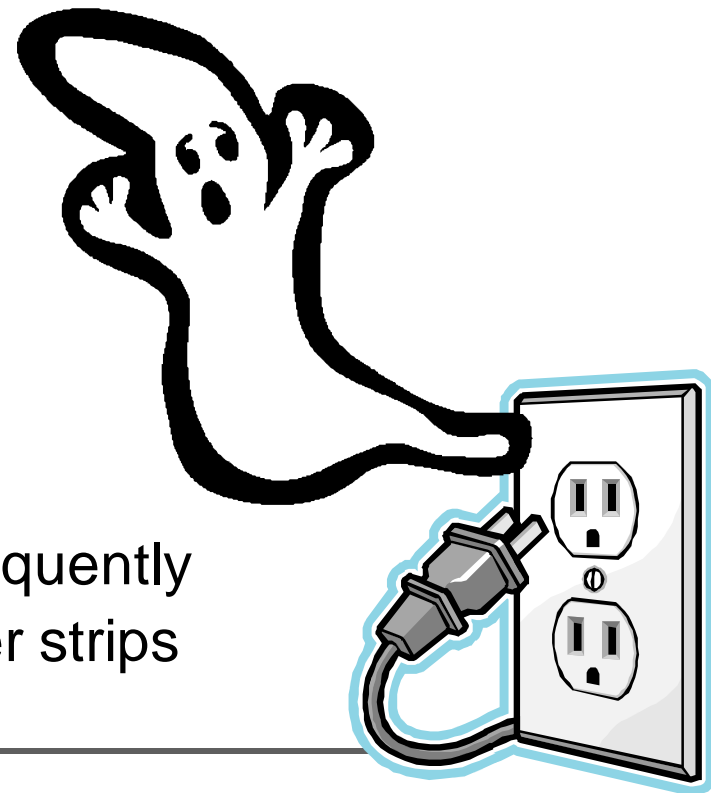


Conservation and Energy Efficiency

Phantom Energy

- Accounts for about 10% of household power consumption, costs Americans approximately \$3 billion per year.
- Examples
 - TV with remote - 5-20 watts
 - Cable/satellite box - 4-24 watts
 - Cell phone charger - 3 watts
 - Printer - 5 watts

Unplug items that you don't use frequently
Connect clusters of cables to power strips



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Metering

Programmable thermostat

- ❑ Save about 10% on heating and cooling by lowering the temp 10-15°

Home Energy Monitors

- ❑ Measure total energy consumption
 - **View your meter inside the home**
- ❑ See the use of individual appliances



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Weatherization


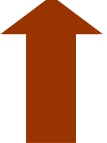
- Maintain a comfortable temperature and save on energy
- Seal air leaks throughout the home to stop drafts, and seal holes in air ducts.
- Insulate outside walls to minimize loss
- Windows
 - Buy new, energy-efficient windows
 - Add storm windows
 - Caulking and weather stripping around windows
 - Use window coverings



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Heating/Cooling

- SEER labels on air conditioners and heat pumps

 numbers =  efficiency

- Water Heating accounts for 15-20% of energy use in homes
 - Heat pump water heaters are 2-3 times as efficient
 - Combination systems both heat water and provide space heating
 - Demand water heaters produce hot water in limited quantities and have no storage tank
 - Use insulating jackets and pipe insulation to limit heat escape



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Appliances

- Save 10-50% energy
- Can include
 - Washers and dryers
 - Refrigerators
 - Dishwashers
 - Air conditioners
 - Light fixtures and CFL bulbs
 - Water heaters



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Local Resources

- **City of Tucson, Office of Conservation and Sustainable Development**
- **Arizona Department of Commerce Energy Office**
- **Tucson Electric Power Green Energy Website**
- **Pima County, Energy Fact Sheet**



For more information

THANK YOU!

For more information, please see
Giffords.house.gov
and click on the sun on the left

